



# Commencement of Global Dissemination & Implementation of a School-based Academic Asthma Education & Counseling Self-Management Program

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STTI Nursing Research Congress  
Dublin, Ireland  
July 30, 2017



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# Disclosure & Interdisciplinary Collaborations

The author declares no conflict of interest.



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# Acknowledgments

- University of Wisconsin-Madison
  - Mary and Carl Gulbrandsen Chair in Pediatric Nursing
  - School of Nursing
  - Vice Chancellor for Research & Graduate School
  - Institute for Clinical and Translational Research
- NIH-sponsored Training Institute for Dissemination and Implementation Research in Health

# Objectives

- Describe the commencement process
- Discuss theory- and evidence-based methods and measures selected for monitoring and evaluating dissemination and implementation processes and outcomes



# Clinical Issue

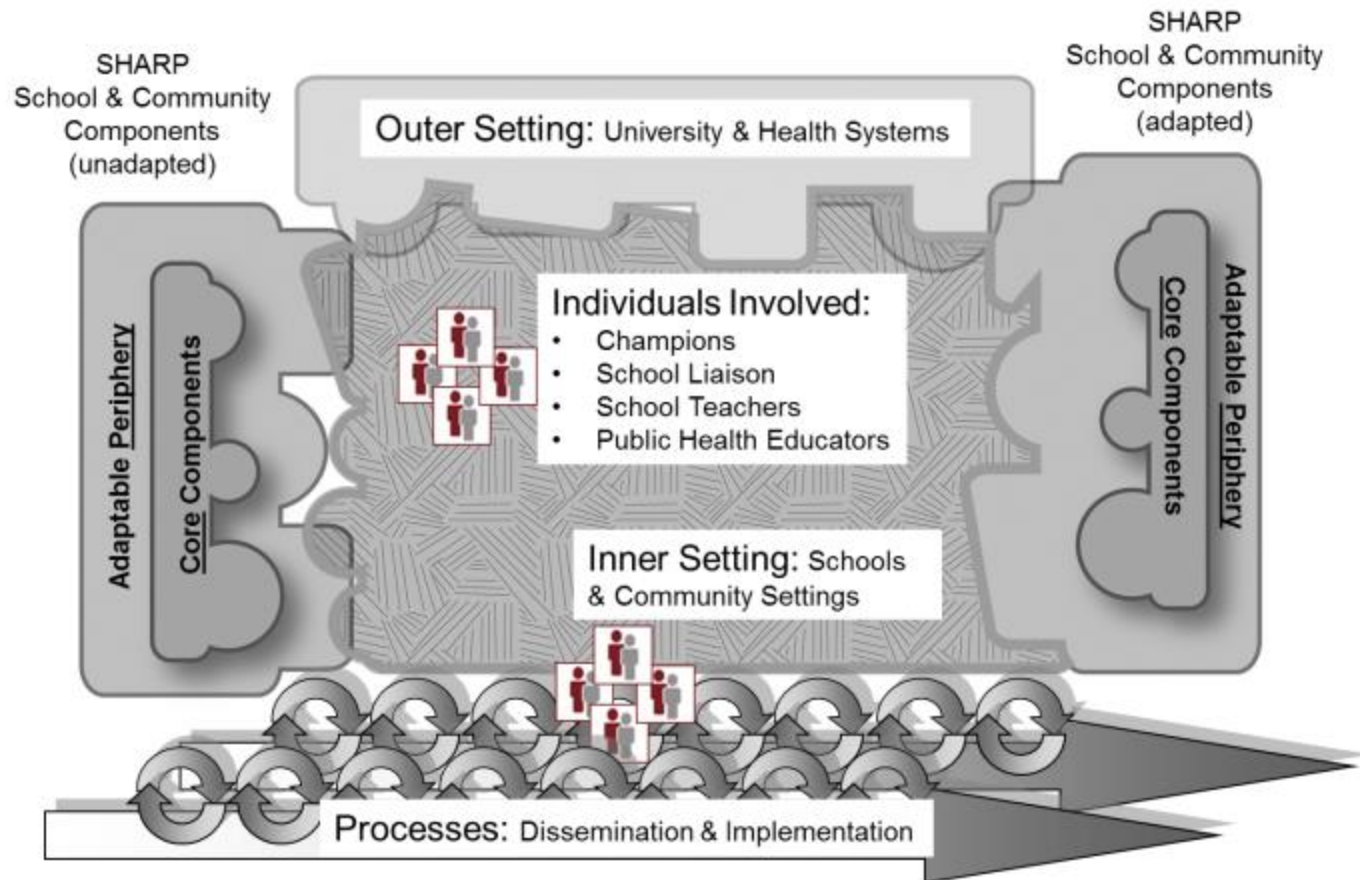
- Gap between what we know can optimize health and what gets implemented
- Understand best methods for transferring efficacious and effective programs into real world settings



# Specific Aims

- Assess SHARP's adoption and integration in schools and communities with diverse populations
- Evaluate SHARP's adaptation and sustainability including fidelity and cost-effectiveness
- Determine the impact of SHARP on community-wide health outcomes of school absenteeism and use of emergency services

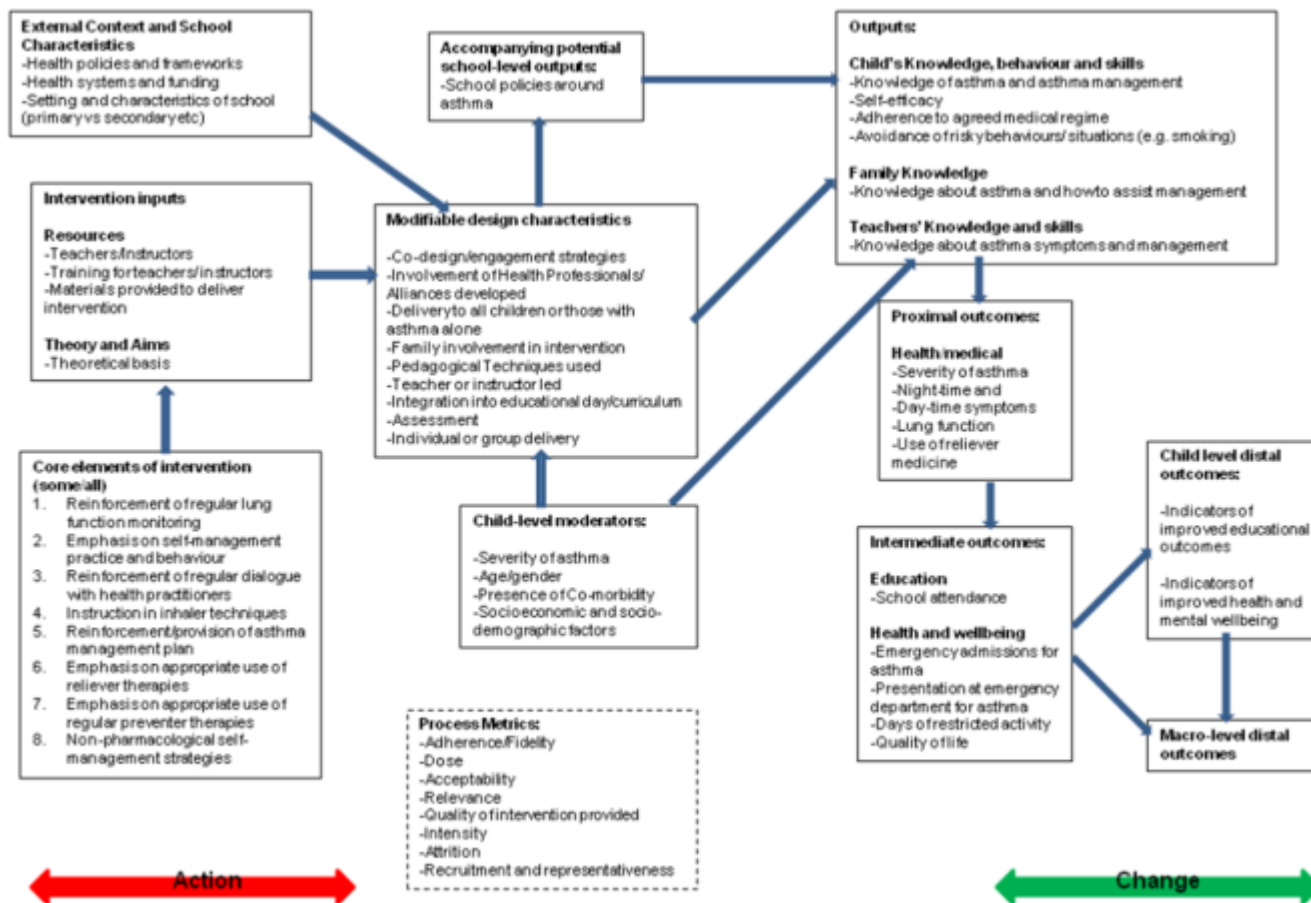
# Consolidated Framework for Implementation Research



<http://cfirguide.org/>



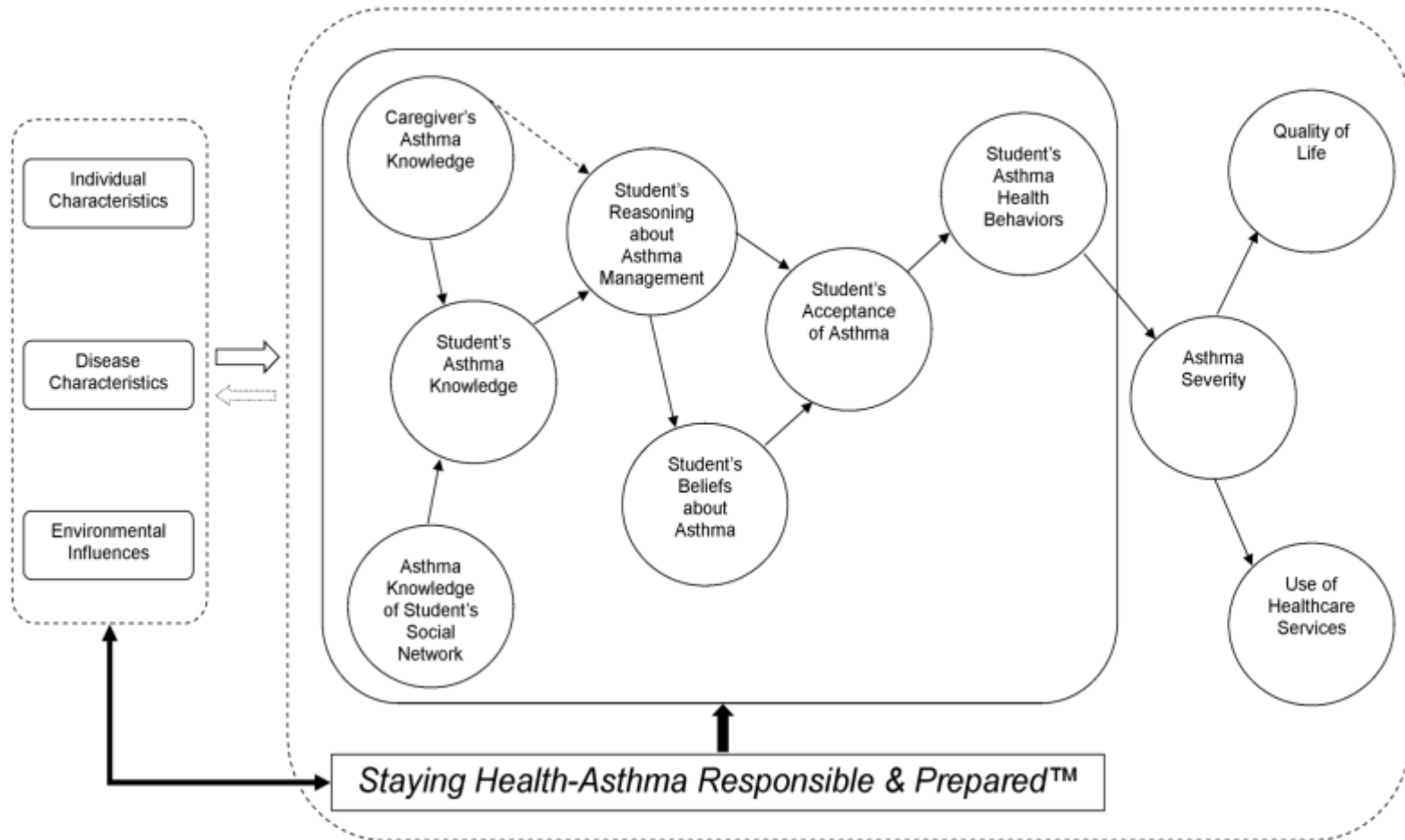
# Logic Model of School-based Asthma Interventions



Harris et al. 2015. Cochrane Collaborative



# Older School-Age Child & Early Adolescent Acceptance of Asthma Model



# ***Staying Healthy-Asthma Responsible & Prepared™***

- School Component
- Community Component
- Preschool Component
- Classmate Component



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# Commencement Activities

- Refining the framework domains, concepts, and processes
- Considering program characteristics related to complexity, resources, incentives, and barriers
- Exploring multi-level contextual and environmental factors
- Identifying outcomes, measures, and analyses



# Methods

- Hybrid, blended, mixed methods, type III implementation design
- D&I study participants are targeted users.
- SHARP program participants are students with asthma and members of their social network.



# Process Evaluation

- Outreach, engagement, and marketing
- Recruitment, orientation, and training
- Packaged materials and products
- Role-based monitoring and support



# Instruments & Measures

- Pragmatic items
- Reliable and valid surveys
- Phases, domains, and constructs
  - Individual characteristics
  - Outer and inner setting characteristics
  - Intervention adaptive and core components
  - Process evaluation over time
- Fidelity checklists



# Community-wide Outcomes

- Cost effectiveness and sustainability
- Impact on school absenteeism
- Impact on use of healthcare services



# Implications

- Advance implementation science
- Guide implementation of other efficacious and effective school-based programs
- Inform health policy related to asthma self-management in schools and community settings



# Become a Team Member



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